

## Massachusetts Grade 7 Immunization Survey Results by County 2015-2016

County	Number of Schools*	Number of Children	2 MMR	3 Hep B	Immunity to Chickenpox Disease	1 Tdap	Medical Exemptions	Religious Exemptions	Total Exemptions	Un-immunized
Barnstable	23	1,800	98%	98%	99%	93%	0.3%	2.4%	2.8%	0.7%
Berkshire	30	1,133	95%	96%	90%	90%	0.5%	3.2%	3.7%	1.5%
Bristol	71	6,405	99%	100%	99%	97%	0.2%	0.4%	0.6%	0.1%
Dukes	5	158	96%	94%	94%	98%	0.0%	7.0%	7.0%	1.3%
Essex	110	9,085	99%	99%	98%	91%	0.2%	0.6%	0.8%	0.2%
Franklin	14	728	98%	97%	95%	92%	0.7%	1.6%	2.3%	0.3%
Hampden	68	4,997	99%	99%	97%	92%	0.3%	0.5%	0.8%	0.1%
Hampshire	20	1,594	98%	97%	98%	96%	0.7%	2.0%	2.7%	0.7%
Middlesex	191	17,433	99%	99%	98%	95%	0.3%	0.7%	1.0%	0.3%
Nantucket	3	122	98%	98%	95%	80%	0.0%	2.5%	2.5%	0.0%
Norfolk	94	9,043	99%	99%	98%	95%	0.3%	0.7%	1.0%	0.2%
Plymouth	56	6,792	99%	99%	98%	95%	0.5%	0.4%	0.9%	0.1%
Suffolk	102	5,078	94%	92%	88%	75%	0.1%	0.3%	0.4%	0.2%
Worcester	118	10,280	99%	99%	97%	90%	0.3%	0.6%	0.9%	0.2%
<b>State Total</b>	<b>905</b>	<b>74,648</b>	<b>99%</b>	<b>98%</b>	<b>97%</b>	<b>92%</b>	<b>0.3%</b>	<b>0.7%</b>	<b>1.0%</b>	<b>0.3%</b>

\* Number of schools is for all schools in the county - data only represents those schools that responded to the survey

**2 MMR** 2 doses of MMR (measles, mumps and rubella) vaccine

**3 Hep B** 3 doses of hepatitis B vaccine

**Immunity to Chickenpox** 2 doses of varicella vaccine or a reliable history of chickenpox disease

**Tdap** 1 dose of Tdap

**Unimmunized** Students with an exemption with no documented vaccines

- Data were primarily collected in the fall, but immunization data are often updated throughout the year and rates (during the same school year) may be higher than reported due to additional children receiving immunizations or bringing records to school. Also, the student body is dynamic and as students arrive and leave the school, the immunization rates are impacted.

- Children are allowed a medical or religious exemption to one or more vaccines.

- Children without the required number of doses of vaccine do not necessarily have an exemption on file.

- Children without a record of vaccination, but with serologic proof of immunity to certain diseases (measles, mumps, rubella, hepatitis b and varicella), meet school entry requirements and are included in the immunized total.

- All data are self-reported by the schools and discrepancies may exist. The Immunization Program continues to work with schools to resolve discrepancies and update immunization data, when possible.

- Data for 16 schools are omitted from this report due to discrepancies that were unable to be resolved by the Immunization Program.